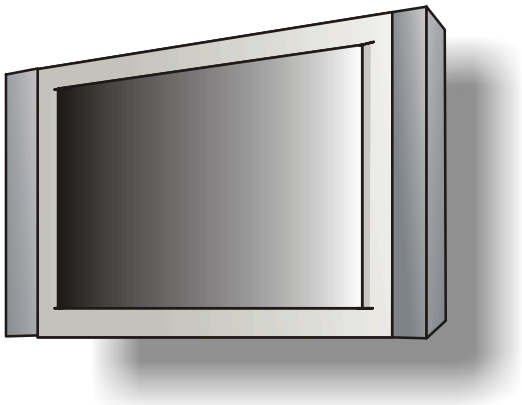
ACER PDP 7859

42" WIDE PLASMA DIAPLAY

USER'S MANUAL



PlasMaster®

FEATURES

This display has a plasma display panel and is only 10.6 cm deep. With its high image quality and performance, it is perfectly suited to multimedia applications.

- **Can receive a variety of input signals**
- **Video input mode**
- **RGB input mode**
- **Power Management Function**
- **Remote Mouse Function**

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SAFETY REGULATION

FCC NOTICE

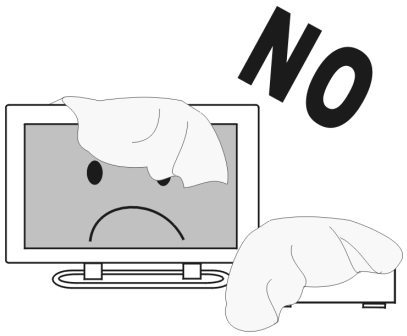
Acer PDP 7859: A Class A digital device
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interferences when the equipment is operated in a commercial environment. This equipment will generates and radiate radio frequency energy, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

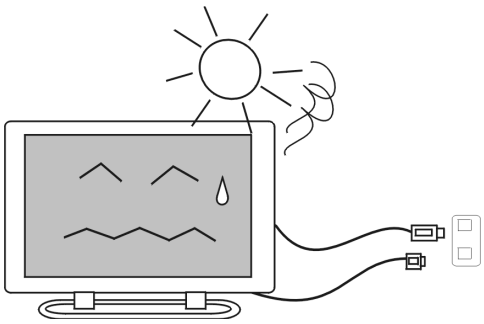
IMPORTANT INFORMATION

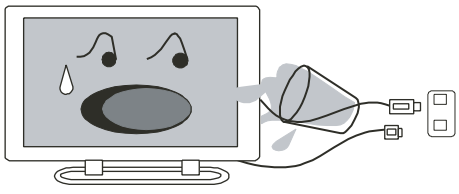
⚠ ***WARNING: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.***

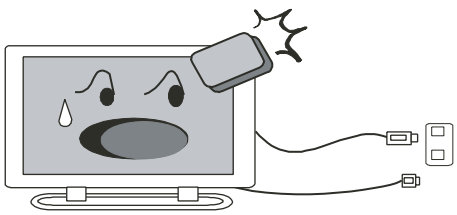
⚠ ***WARNING: To Reduce The Risk Of Fire And Electric Shock, Do not Expose This Product To Rain Or Moisture.***

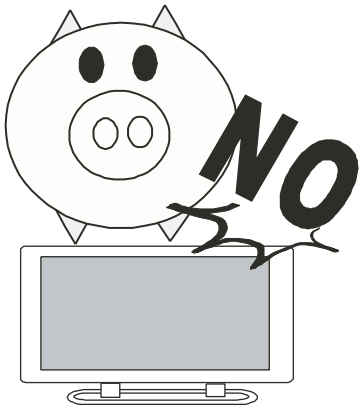
IMPORTANT SAFEGUARDS







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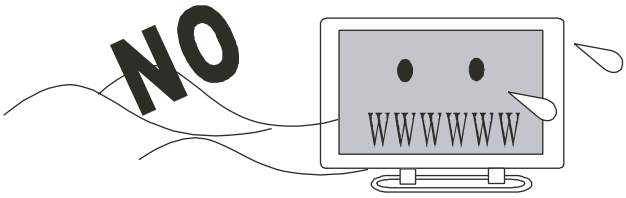
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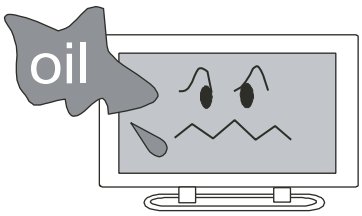
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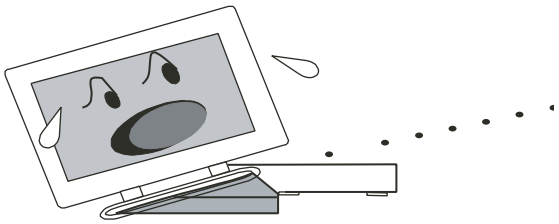

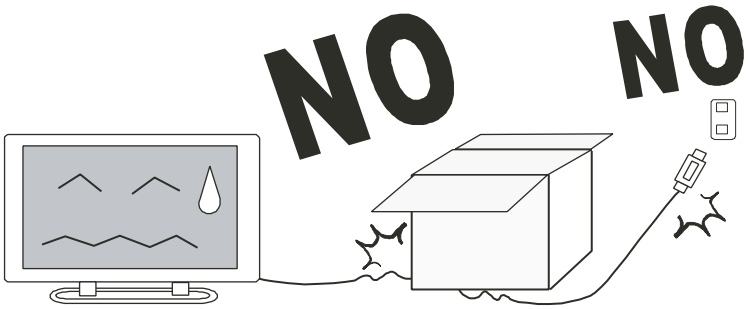
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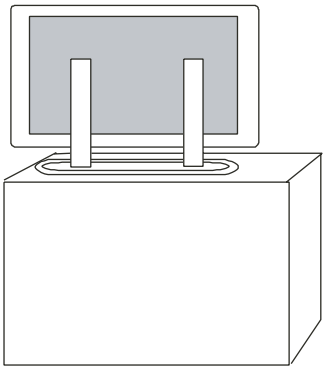
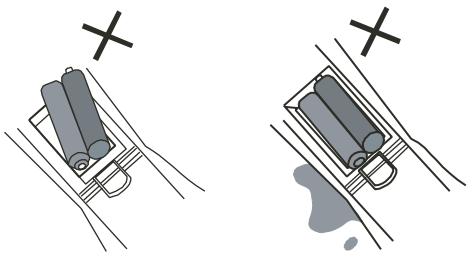
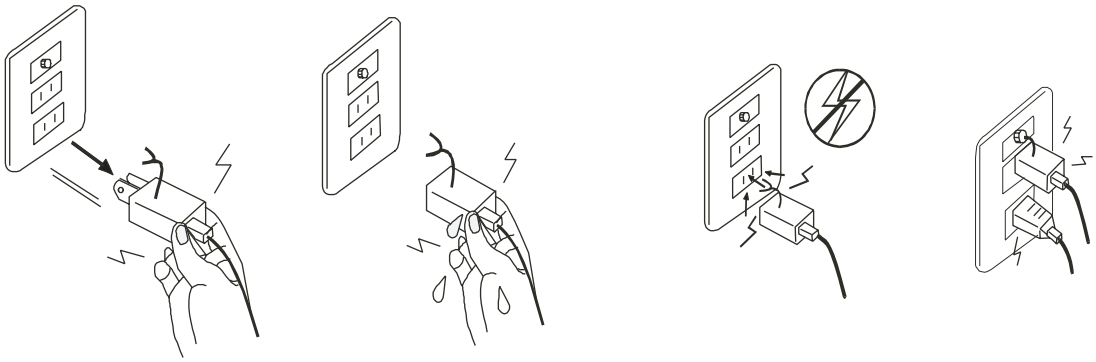






Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. But IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD. In order not to defeat the safeguards incorporated into this product, observe the following basic rules for its installation, use and service. Please read these “Important Safeguards” carefully before use.

- All the safety and operating instructions should be read before the product is operated.
- The safety and operating instructions should be retained for future reference.
- All warning on the product and in the operating instructions should be adhered to.
- All operating instructions should be followed.
- Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- Do not use this product near water. Do not use immediately after moving from a low temperature to high temperature, as this causes condensation, which may result in fire, electric shock, or other hazards.
- Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. The product should be mounted according to the manufacturer’s instructions, and should use a mount recommended by the manufacturer.

- When the product is used on a cart, care should be taken to avoid quick stops, excessive force, and uneven surfaces that may cause the product and cart to overturn, damaging equipment or causing possible injury to the operator.
- Slots and openings in the cabinet are provided for ventilation. These ensure reliable operation of the product and protect it from overheating. These openings must not be blocked or covered. (The openings should never be blocked by placing the product on bed, sofa, rug, or other similar surface.) It should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer's instructions have been adhered to.)

  For proper ventilation, separate the product from other equipment, which may prevent ventilation and keep distance more than 10 cm.
- This product should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
- This product is equipped with a three-wire plug. This plug will fit only into a grounded power outlet. If you are unable to insert the plug into the outlet, contact your electrician to install the proper outlet. Do not defeat the safety purpose of the grounded plug.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at doors, plugs, receptacles, and the point where they exit from the product.
- For added protection for this product during a lightening storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the product due to lightening and power line surges.
- Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.
- Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltages and other hazards. Refer all service to qualified service personnel.
- Unplug this product from the wall outlet and refer service to qualified service personnel under the following conditions:
  a. When the power supply cord or plug is damaged.
  b. If liquid has been spilled, or objects have fallen on the product.
  c. If the product has been exposed to rain or water.
  d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the Operation Manual, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
  e. If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance—this indicates a need for service.
- When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or with same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

- The product should be placed more than one foot away from heat sources such as radiators, heat registers, stoves, and other products (including amplifiers) that produce heat.
- When connecting other products such as VCR's, and personal computers, you should turn off the power of this product for protection against electric shock.
- Do not place combustibles behind the cooling fan. For example, cloth, paper, matches, aerosol cans or gas lighters the present special hazards when over heated.
- Use only the accessory cord designed for this product to prevent shock.
- The power supply voltage rating of this product is AC100-240V. The power cord attached conforms to the following power supply voltage. Use only the power cord designated by our dealer to ensure Safety and EMC.
- When it is used by other power supply voltage, power cable must be changed. Consult your product dealer.
- The power supply cord serves as a power disconnect device for plug able equipment. The socket outlet shall be installed near the equipment and shall be easily accessible.

FEATURE

This display has a plasma display panel and is only 10.6 cm deep. With its high image quality and performance, it is perfectly suited to multimedia applications.

Can receive a variety of input signals

- In addition to video, S-video, and RGB (D-SUB connector) signals, this display supports input of high-quality video signals such as DVD.
- The display is applicable to the following color television systems used worldwide: NTSC, SECAM, PAL-N, PAL-M.
- The display has a component video input terminal to receive signals from the DVD players as well as digital broadcasting signals (component video signals).
- The display has an RGB input terminal to receive signals, including wide RGB signals*[1], VGA, SVGA, and XGA*[2].

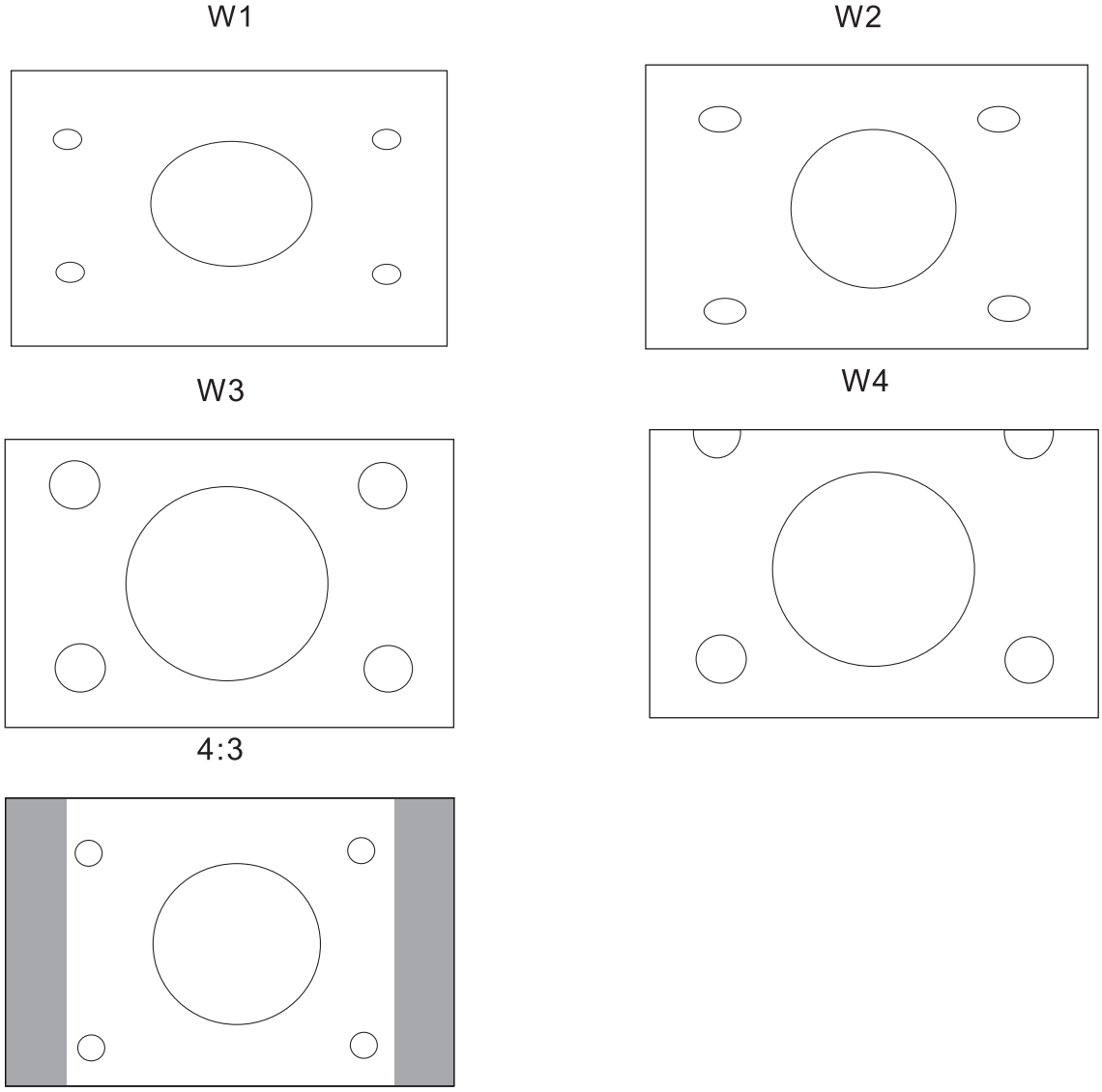
1 : With the optionally available graphics board, you can send wide RGB signals (852 x480) from your PC.

2 : The refresh rate of 60, 70, 75, 85 Hz for XGA (1024 x 768) and those of 60, 70, and 75 Hz for SVGA (800 x 600) are supported.

5 screen sizes (video input mode) and 2 screen sizes (RGB input mode)

This display offers a total of five different screen sizes in video input mode: W1, W2, W3, W4.and 4:3 mode; A normal mode is available, for display of normal-size (4:3 aspect ratio) images.

Video input mode



W1: Fill Screen; W2: Non-Linear; W3: LetterBox; W4: LetterBox SubTitle

RGB input mode

Two different screen sizes in RGB input mode (4:3 and 16:9) are also available.

Power Management Function

The display features a DPMS (Display Power Management Signaling) function that ensures automatic power saving capability.

Remote Mouse Function

- You can operate the display by remote control using the PS2 interface.

Others

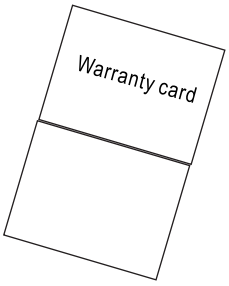
- You can specify the color temperature.
- Sound input, 10W+10W external speaker outputs are available.

Accessories

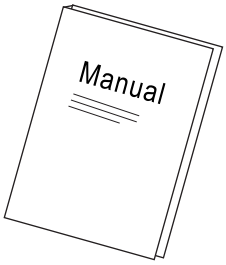
One Remote Control

+

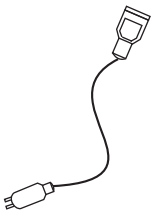
Two batteries AAA



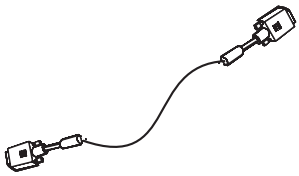
Warranty Card



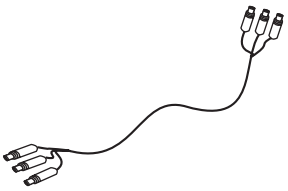
One User's Manual



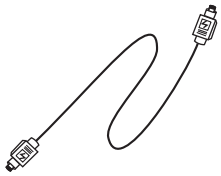
One Power Cord



PC D-Sub Signal Cable



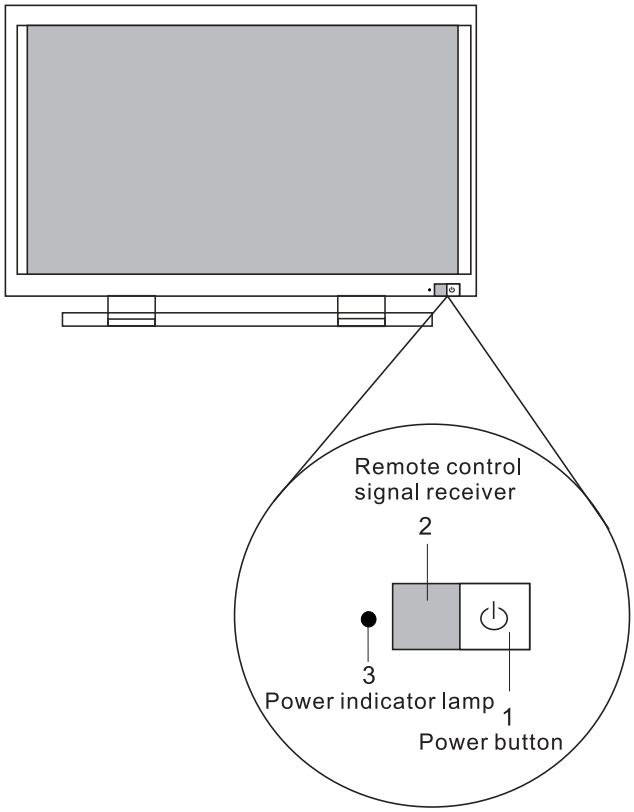
Component-Video



S-Video

PART NAMES AND FUNCTIONS

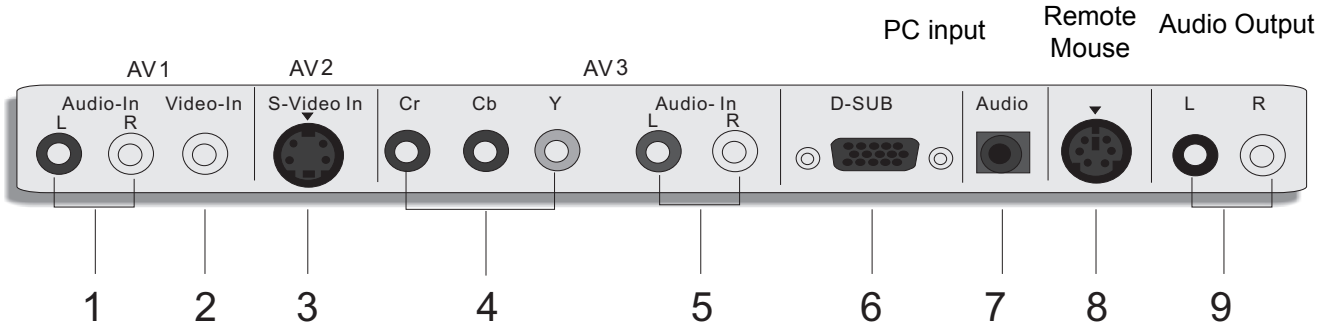
Front



1. **Power button [Power]**
   Turns the power ON or OFF. Located at the bottom of the display.
2. **Remote control signal receiver**
   Receives signals from the remote control
3. **Power Indicator Lamp**
   This lamp shows whether the main power is ON or OFF, as follows:

Lit (Red)	Standby
Lit (Green)	Power ON
Flashing (Red, Green flash respectively)	Power Saving mode ON

Bottom



1. **Audio input terminal--(1)**

   Connect this terminal to the sound output terminal of your VCR, etc.

   And this terminal is used for both AV1 (Composite Video Input) and AV2 (S-Video Input).

2. **Video input terminal (Composite video input terminal)**

   Connect this terminal to the video output terminal of your VCR or video disk player.

3. **S-Video input terminal**

   Connect this terminal to the S-video output terminal of your VCR or video disk player.

4. **Component video input terminal (Component Video Input)**

   Connect this terminal to the component video output (color difference output) terminal of your DVD player.

5. **Audio input terminal--(2)**

   Connect this terminal to the sound output terminal of your VCR, etc.

   And this terminal is used for both AV3 (Component Video Input).

6. **RGB input terminal (RGB Input/D-sub)**

   Connect this terminal to the PC's display (analog RGB) output terminal.

7. **Audio input terminal--(3)**

   Connect this terminal to the sound output terminal of your PC.

8. **Remote mouse terminal**

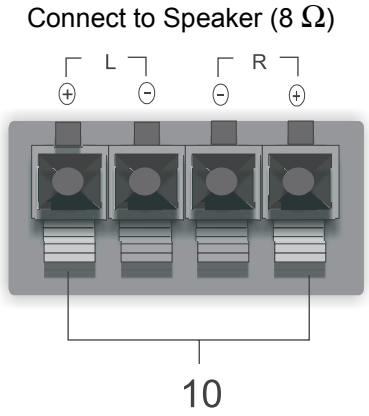
   Connect this terminal to the mouse terminal of your PC.

9. **Audio output terminal**

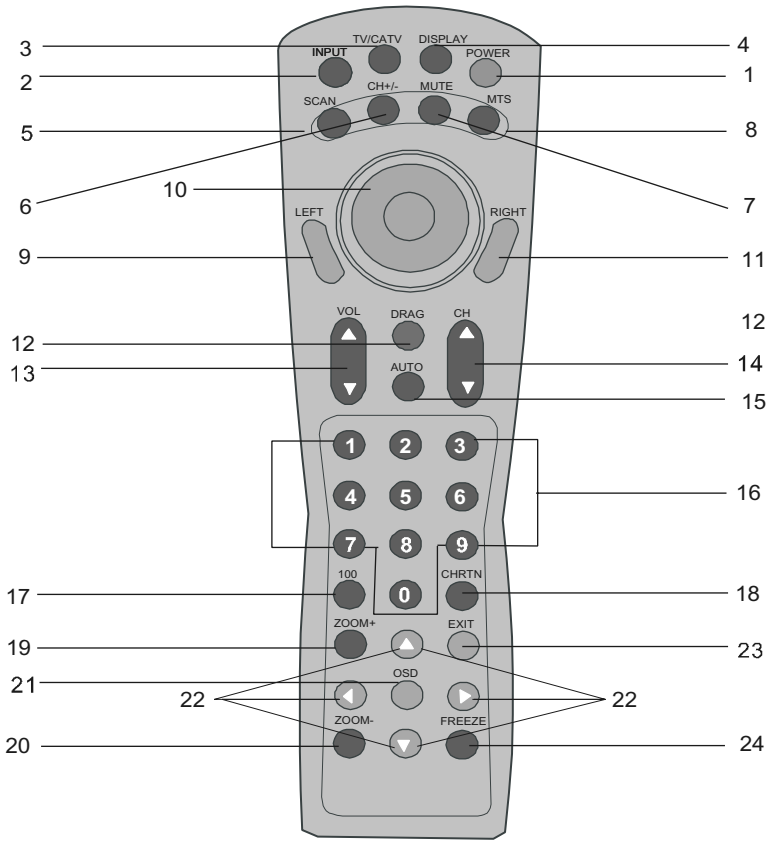
   Connect this terminal to your external amplifier depend on your need to meet home theater surrounding audio environment

10. External speaker output terminal (EXT SP)

Connect this terminal to the optionally available speaker. (10W+10W-8Ω)



Remote Control

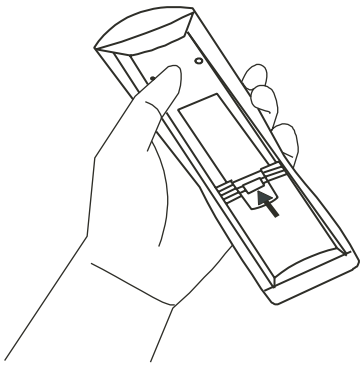


1. **Power:** Press this key to turn on 7859. Press again to go to “standby” mode.
2. **Input:** Press this key to choose input source between PC/TV/AV. [AV also has Composite-Video (AV1)/S-Video (AV2)/Component-Video (AV3)].
3. **TV/CATV:** When input source is TV, press this key to choose between TV/Cable TV system.

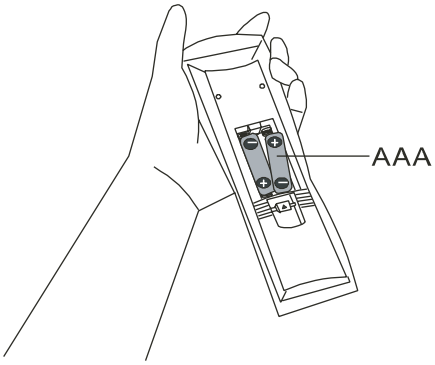
4. **Display:** Press this key to turn on the TV channel message shown on the screen. Press again to turn off.
5. **Scan:** Press this key to auto scan all channels the TV/CATV system provides.
6. **CH +/-:** Press this key to add the current TV channel. Press again to erase the current TV channel.
7. **Mute:** Press this key to quiet the sound system. Press again to activate the sound system.
8. **MTS:** Press this key to choose between Mono/SAP/Stereo.
9. **LM (Left Mouse button):** Function as left mouse button of PC.
10. **Direction:** Press the direction you want. Function as mouse rolling ball
11. **RM (Right Mouse button):** Function as right mouse button of PC.
12. **Mouse Drag:** This key simulates the mouse drag function as in PC system. Press this key to make mouse drag function (as if right mouse button is pressed continuously). Press again to back to normal situation.
13. **Volume ▲ ▼ :** Use these two hot keys to adjust volume straight and select sub-menus while in OSD mode.
14. **Channel ▲ ▼ :** Use these two hot keys to select channel straight (reserved) in TV mode.
15. **Auto:** Press this key to auto adjust phase, clock, H/V position in PC mode or to auto detect video system in TV/AV mode.
16. **Number Keys:** Including number "0,1,2,3,4,5,6,7,8,9". Select the channel number to enter it. (When the channel is only one digit, you need to press '0' before it.)
17. **+100:** When the channel number has three digits, press this key to input the first one digit.
18. **CH RTN:** Press this key to jump between two channels.
19. **Zoom +:** Press this key to enlarge the screen.
20. **Zoom -:** Press this key to minify the screen.
21. **OSD:** Press this key to pop up the OSD menu.
22. **◀ ▶ ▲ ▼ (Left/ Right/ Up/ Down key.):** Use the keys to adjust the OSD.
23. **OSD ESC:** Press this key to exit OSD menu directly.
24. **Freeze:** Press this key to hold on the screen (the video source still runs). Press again to continue.

Putting Batteries In The Remote Control

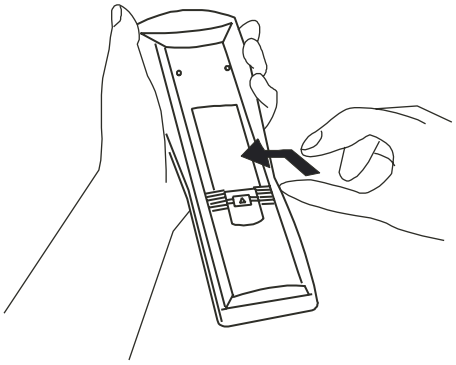
1. To remove the cover, slide it outwards while pushing arrow bottom up.



2. Put two AAA batteries in the remote control. Make sure that the batteries are properly oriented.



3. Close the cover until it snaps into place.

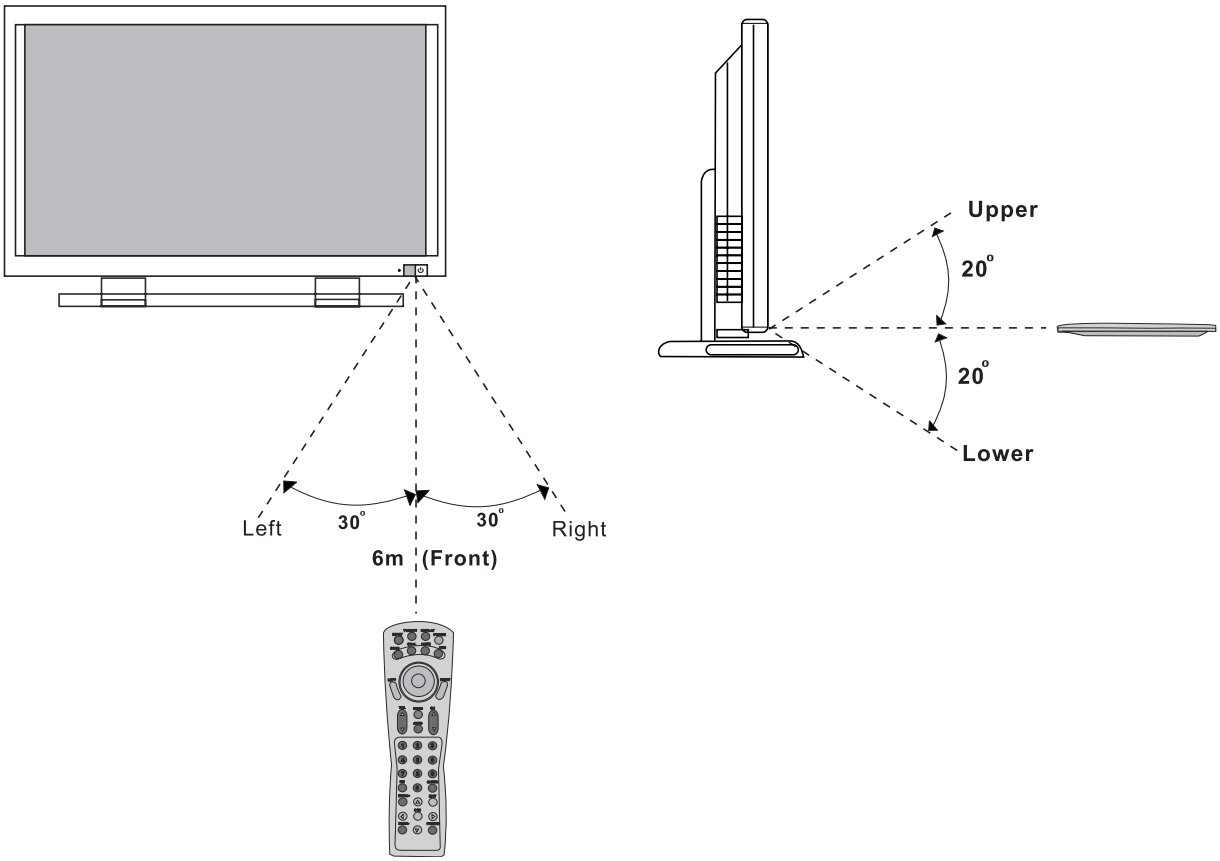


Using the Remote Control

> ⚠ ***To prevent malfunction, be sure not to apply any form of serve shock to the remote control. And to prevent malfunction or deformation, be sure not to allow the remote control to become wet; also keep it away from hot locations or heating equipment.***
>
> ⚠ ***Be sure not to clean the remote control using a cloth dampened in any volatile solvent, such as benzene or thinner.***

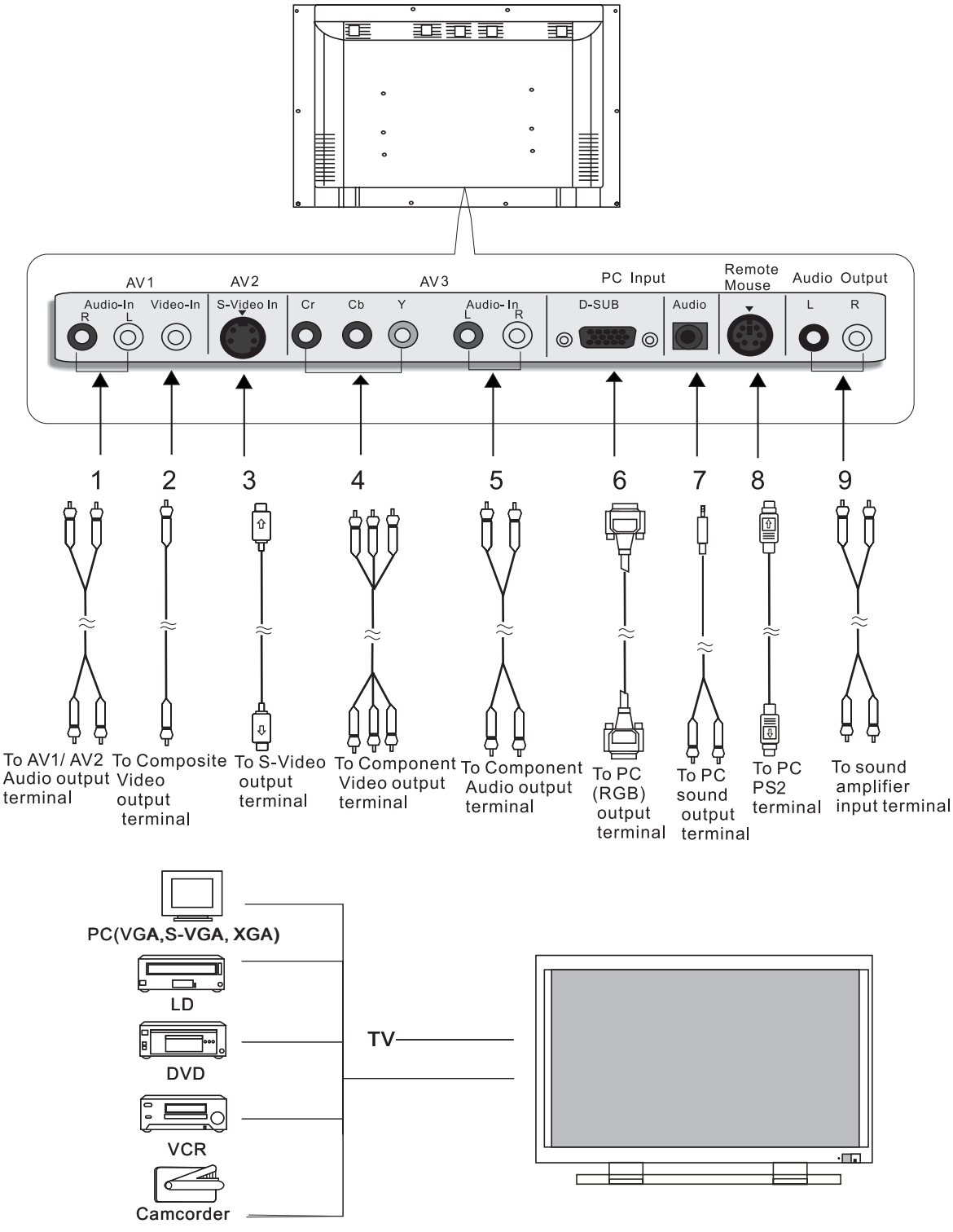
Effective Range For The Remote Control

Point the remote control at the display's signal receiver when using it.
So, make sure that there are no obstacles between the remote control and the display's signal receiver.



CONNECTING DISPLAY TO EXTERNAL EQUIPMENT

Carefully check the terminals for position and type before making any connection.
Loose connectors can result in image or color problems. Make sure that all connectors are securely inserted into their terminals.

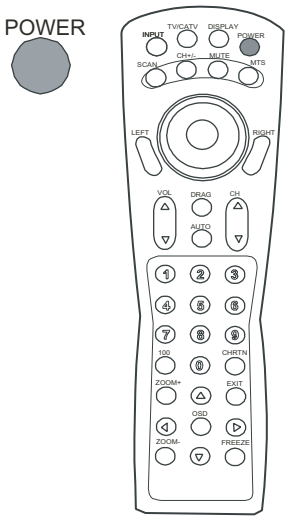


BASIC OPERATIONS

Turning On/Off The Power

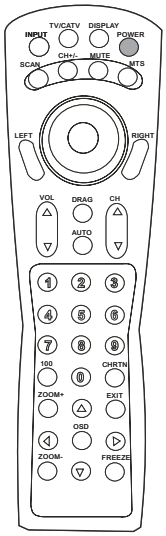
Turning On The Power

Press the power bottom on the remote control

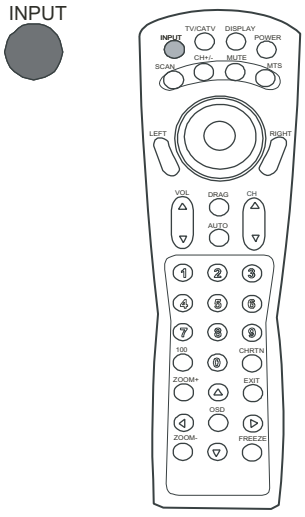


Turning Off The Power

Press when the power is ON



Adjusting The Input Mode



Press this key to choose input source between PC/ TV/AV. [AV also has Composite-Video (AV1)/ S-Video (AV2)/Component-Video (AV3)]. And press ▶ again to work as “enter” function.

Each time you press, a different input mode appears. The sequence is as follows:

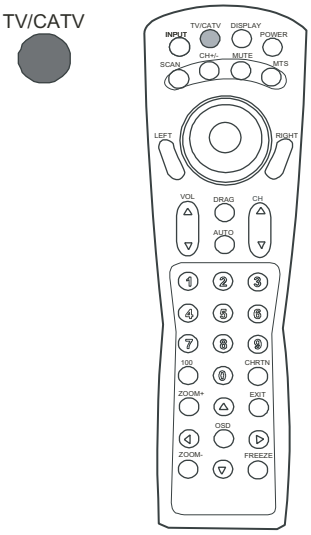
▶ PC ⇨ AV1 ⇨ AV2 ⇨ AV3 ⇨ TV

PC: Display images from equipment connected to the PC RGB terminal
AV1: Display images from equipment connected to the Composite Video terminal
AV2: Display images from equipment connected to the S-Video terminal
AV3: Display images from equipment connected to the Component Video input terminal
TV: Display images only when a TV tuner card is connected to the cable TV terminal.

TV Mode

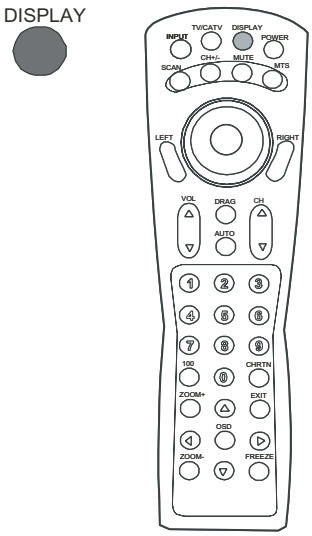
Adjusting TV/CATV Mode

Press this key to choose the mode for TV and Cable TV system.



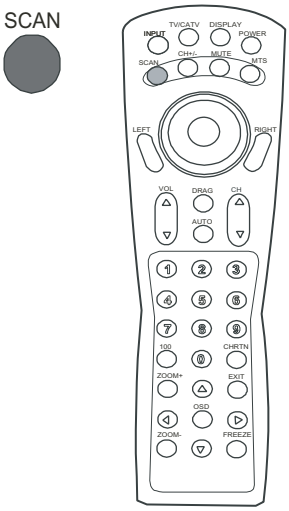
Adjusting The Display Mode

Press this key to turn on the TV channel message shown on the screen. Press again to turn off.



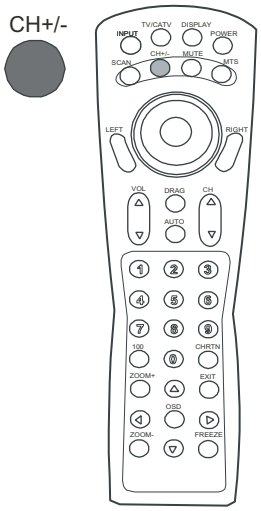
Scan Mode

Press this key to auto scan all channels that TV/ CATV provides.



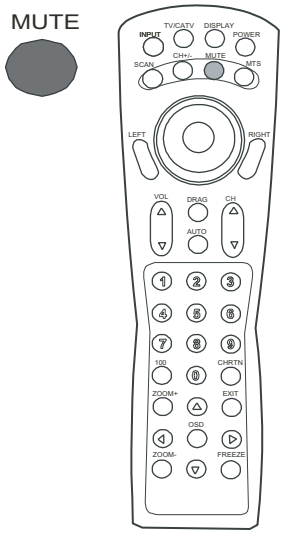
Adjusting CH+/-

Press the key to add the current TV channel Press again to erase the current TV channel.



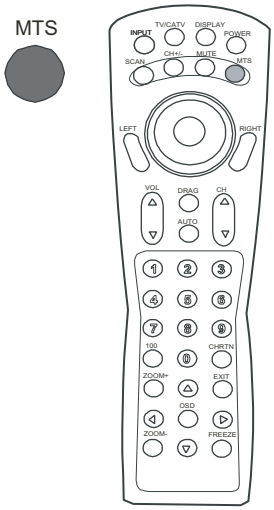
Mute Function

Press the key to quiet the sound system. Press again to activate the sound system.



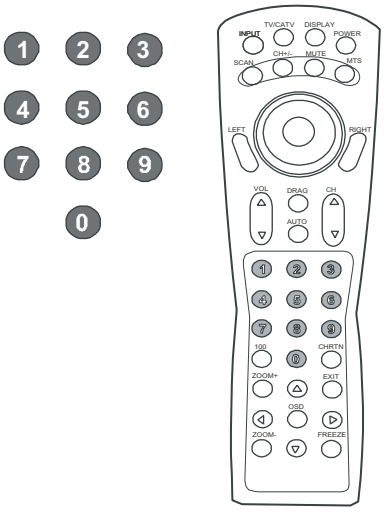
MTS Function

Press this key to choose between Mono/SAP/ Stereo



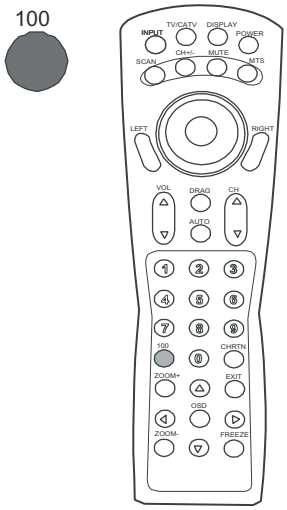
Number Key Function

Including number “0,1,2,3,4,5,6,7,8,9”. Select the channel number to enter it. (When the channel is only one digit, you need to press ‘0’ before it)



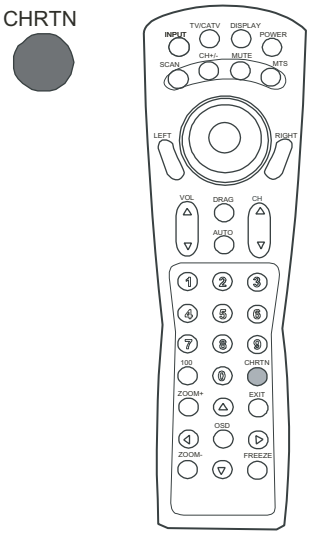
+100 Function

When the channel number has three digits, press this key to input the first one digit. (Suppose the channel numbers are 125 at most.)



CH-RTN Function

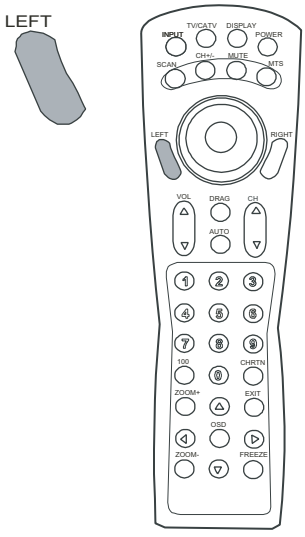
Press this key to jump between two channels.



PC Mode

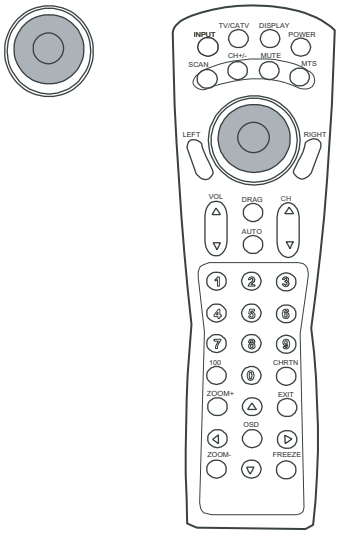
Left Mouse Function

Function as left mouse button of PC



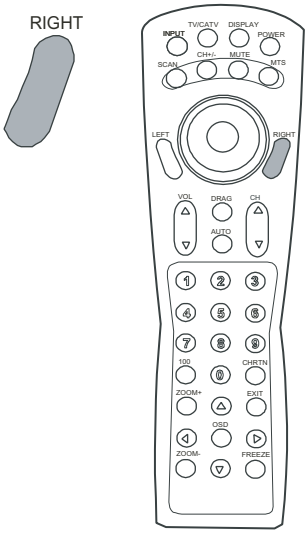
Direction Function

Press the direction you want. Function as rolling ball at a mouse.



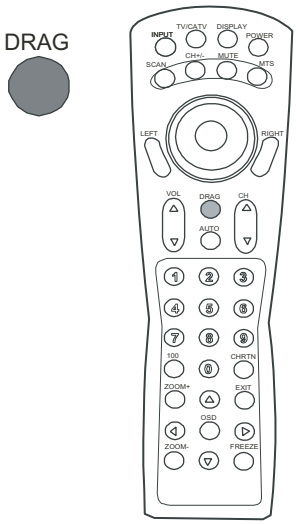
Right Mouse Function

Function as right mouse button of PC



Mouse Drag Function

This key simulates the mouse drag function as in PC system. Press this key to make mouse drag function (as if right mouse button is pressed continuously). Press again to back to normal situation.



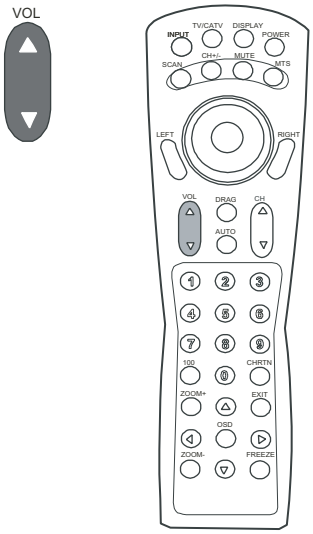
Adjusting Function Mode

Adjusting The Volume

Volume ▲ ▼ : Use these two hot keys to adjust volume straight.

Press Volume ▲ to increase the volume

Press Volume ▼ to decrease the volume

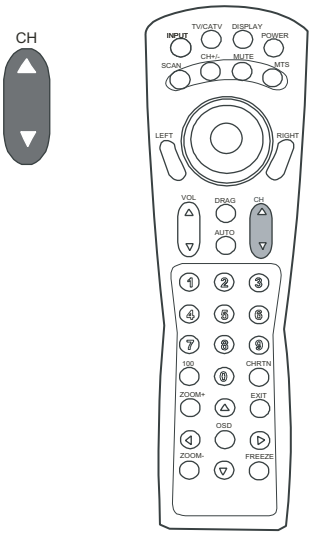


Adjusting The Channel

Channel ▲ ▼ : Use these two hot keys to select channel straight (reserved) in TV mode.

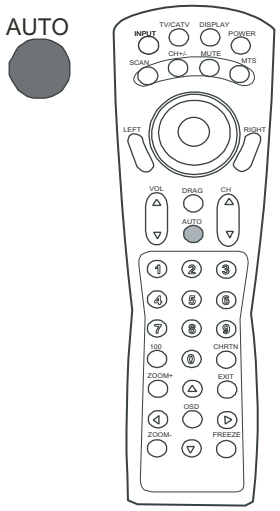
Press Channel ▲ to increase the channel

Press Channel ▼ to decrease the channel



Adjusting The Auto Function

Auto: Press this key to auto adjust phase, clock, H/V position in PC model or to auto detect video system in TV/AV mode.



OSD Function Mode

OSD Function:

- PC:

Display	Image	Audio	Language	Misc.
Brightness	H. Postion	Volume	English	OSD H. Positon
Contrast	V. Postion	Treble	French	OSD V. Position
Red	Phase adj.	Bass	German	OSD Timeout
Green	Sync adj.	Balance	Italian	High Brightness
Blue	Aspect Ratio	Mute	Spanish	Color Temp.
Reset	DPMS		Simplified Chinese	Reset to default

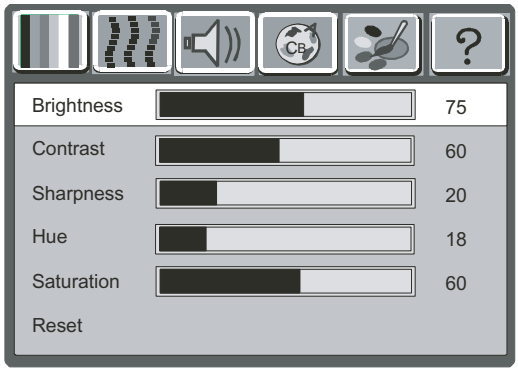
- TV:

Display	TV System	Audio	Language	Misc.
Brightness	Aspect Ratio	Volume	English	OSD H.Positon
Contrast	Auto	Treble	French	OSD V.Position
Sharpness	NTSC	Bass	German	OSD Timeout
Hue	PALM	Balance	Italian	High Brightness
Saturation	PALN	Mute	Spanish	Color Temp.
Reset	SECAM		Simplified Chinese	Reset to default

1 Display

(a) PC

(b) TV

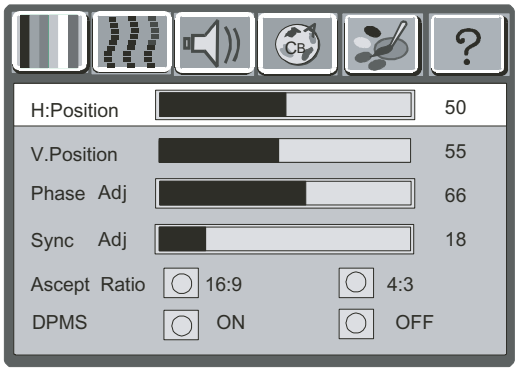


(a) PC: When in PC mode (VGA input), there will be brightness, contrast, red, green, blue and reset items.

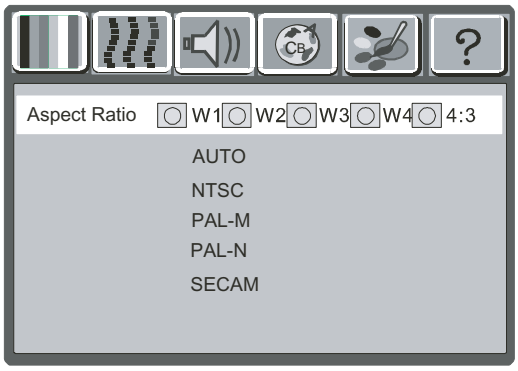
(b) TV: When in TV mode (TV or AV input), there will be brightness, contrast, sharpness, hue, saturation and reset items.

2 Image or TV System

(a) PC



(b) TV



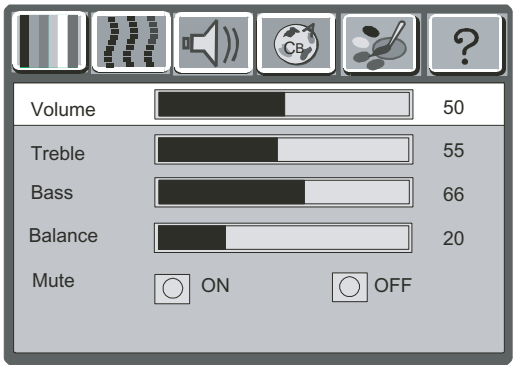
PC: When in PC mode (VGA input), there will be H. position, V. position, Phase adj., Sync. Adj., Aspect Ratio (4:3 and 16:9)

TV: When in TV mode (TV or AV input), there will be Aspect ratio and different AV system source (NTSC, PAL-M, PAL-N, SECAM)

* DPMS (which stands for “display power management signaling” allows the display to maintain an automatic power saving function.

* Auto: Press this key to auto detect video system in TV/AV mode to meet signal source system.

3 Audio

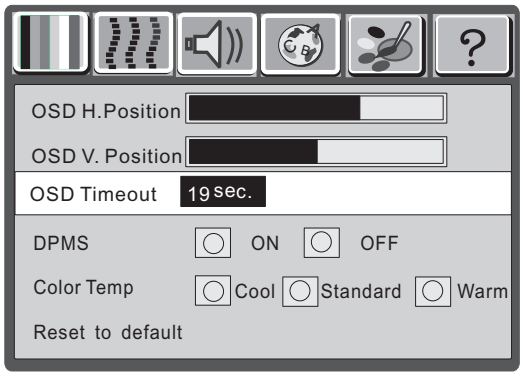


When turn to Audio item (either in PC or TV mode), there will be volume, treble, bass, balance, mute items.

4 Language

When turn to Language item (either in PC or TV mode), there will be English, French German, Italian, Spanish, Simplified Chinese items.

5 Misc.



When turn to Misc. item (either in PC or TV mode), there will be OSD H. Position, OSD V. Position, OSD Timeout, High Brightness, Color Temp., Reset to default.

The color temperature item in this OSD page is fixed on the three volumes:
Cool, Standard, and Warm

6 Status

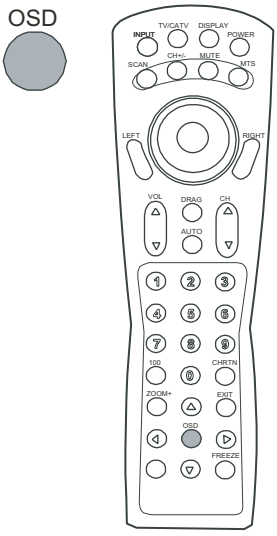
(a) PC

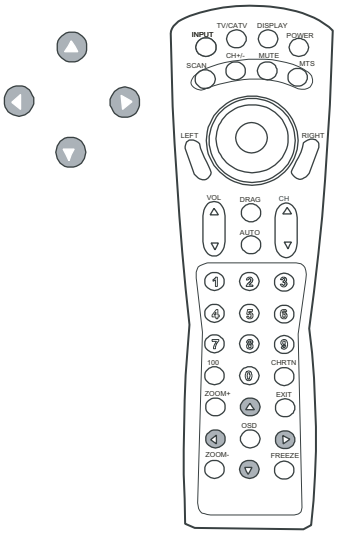
(b) TV

(a) PC: When in PC mode (VGA input), the OSD will show H. V. Resolution and H.V. Sync.

(b) TV: When in TV mode (TV or AV input), the OSD will show the TV system.

OSD Function	OSD Direction Key
Press this key to pop up the OSD menu.	◀ ▶ ▲ ▼ (Left/ Right/ Up/ Down key.): Use the keys to adjust the OSD

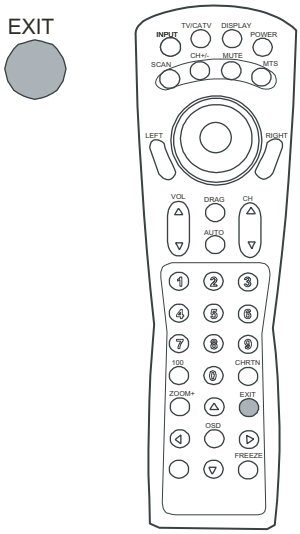




* And the ▶ Right key also can work as the OSD "enter" function.

OSD Exit Key

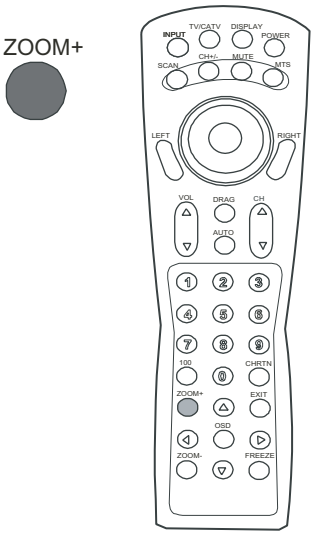
Press this key to exit OSD menu directly.



Screen Function Mode

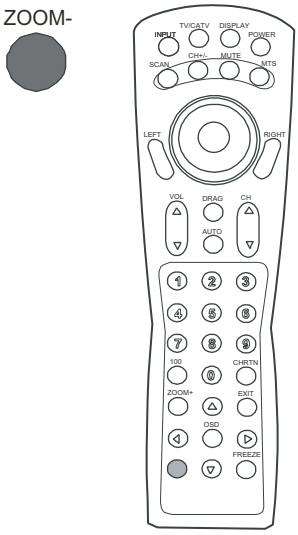
Zoom + Function

Press this key to enlarge the screen



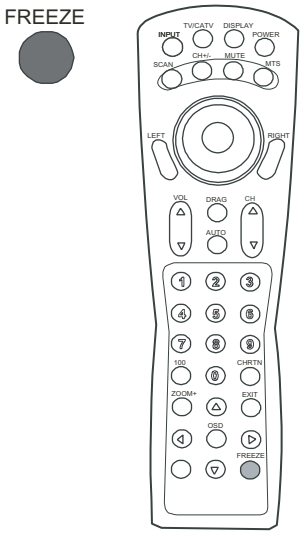
Zoom – Function

Press this key to minify the screen

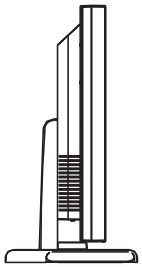
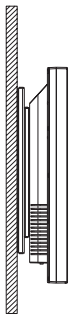
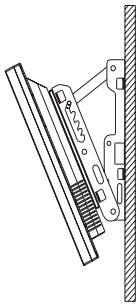
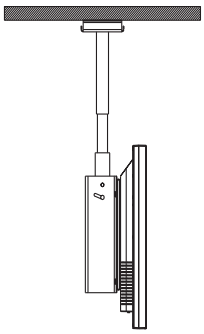
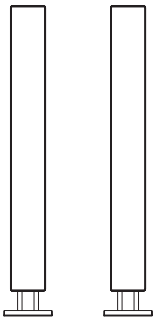
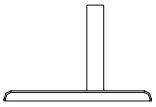


Freeze Function

Press this key to hold on the screen (the video source still runs). Press again to continue.



OPTIONS

Stand unit 	**Wall mounting unit (Fixed angle)** 	**Wall mounting unit (Adjustable angle 0~25)** 
Ceiling mount 	**Speaker** 	**Speaker Stand** 

*** When installing an option, make sure that all installation requirements for that option-as given in the relevant instruction manual-are met.**

*** Warning: To prevent injury, fire, and electric shock, arrange for options to be initially installed by your dealer.**

FACTORY SETTINGS

This display has been factory-set for 17 different signals as shown below.

Factory-set signals (RGB mode)

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Dot Clock Frequency (MHz)	Remark
720×400	31.47	70.08	25.17	DOS
640×400	37.90	85.00	31.50	VESA
640×480	31.50	60.00	25.18	DOS
640×480	35.00	67.00	30.24	Mac. (SOG)
640×480	37.50	75.00	31.50	VESA
640×480	37.86	72.81	31.50	VESA
640×480	43.30	85.00	36.00	VESA
800×600	35.16	56.25	36.00	VESA
800×600	37.90	60.32	40.00	VESA
800×600	46.90	75.00	49.50	VESA
800×600	48.08	72.19	50.00	VESA
800×600	53.70	85.00	56.25	VESA
832×624	49.00	74.00	57.27	Mac. (H+V)
1024×768	48.40	60.00	65.00	VESA
1024×768	56.50	70.00	75.00	VESA
1024×768	60.00	75.00	78.75	VESA
1024×768	68.70	85.00	94.50	VESA

* “Out of range” appears if the display receives a signal whose characteristic does not fall within the display’s permissible range.
* You can check input signals through “Status” on the OSD menu screen.
* All terms (i.e. company and product names) used in this document are trademarks or registered trademarks.

SPECIFICATION

Model	Acer PDP 7859
Screen Size	42” wide screen
Dimension	1029W × 630.5H × 106.8D (mm)
Effective Display Area	920.16 W × 518.4 H (mm)
Aspect Ratio	16: 9 (Wide)
Number of pixel (Resolution)	852 H (×3) × 480 V dots (each pixel contains 3 sub-pixels R, G, B respectively) WVGA
Pixel Pitch	1.08 H × 1.08 V (mm)
Display Modes	Composite Video input, S-Video input, Component Video input, and RGB input
Colors	16.77 million (for each of 256 RGB gradations)
Gray scale level	256 (8-bit color for each R, G, B)
Brightness	260 cd/m^2 (panel only)
Contrast Ratio	450: 1 (panel only; with Vsync= 60 Hz)
Viewing Angle	Over 160º
Operating Conditions	Temperature: 0° to 45° C Humidity: 20% to 85%
Total Weight	33.6 Kg (without stand)
Power Supply	90 ~ 264V
Power Consumption	350 W
External Equipment Terminals	Composite input, S-Video input, Component input, RGB input, and PS2 terminal
External Speaker Output Terminal	Effective Max. Output: 10W+10W, 8Ω
Applicable TV Systems	NTSC/PAL-M/PAL-N/SECAM
Other Accessories	1 Remote Control, 2 AAA Batteries, 1 User Manual, 1 Warratny Card, 1 Power Cable, 1 PC D-Sub Signal Cable, 1 Component-Video, 1 S-Video

* Specifications and external appearance may change due to improvement.

- **PlasMaster** is a worldwide trademark of Acer PDP and is a registered in Taiwan, U.S.A. and other countries or areas.
- **Regulation---Acer PDP 7859**
  * UL, CSA (FCC Class A)
  * TUV
  * CE
  * CCIB
  * BCIQ
  * C-Tick
  * VCCI

CLEANING AND TROUBLESHOOTING

Precaution

Be sure to remove the power plug from the receptacle before cleaning the display.
And be sure not to clean the display using a cloth dampened with volatile solvents, such as benzene or thinner. Such solvents can harm the display's cabinet, the filter at the screen front, and the remote control. They can also cause paint to come off these sections.

Cleaning the cabinet and remote control

Use a soft cloth for cleaning.
If the cabinet or remote control is heavily stained, soak a soft cloth in a mixture of water and detergent and squeeze it dry before wiping off the stains. Use a soft, dry cloth for final cleaning.

Cleaning the screen

Clean the screen gently with a soft cloth.
The screen surface is fragile. Never attempt to clean it with a hard material. Press on it forcefully, or tap it.
Check the following explanation again before asking for services. If the trouble cannot be recovered, consult your dealer.

Problem	Action
Power cannot be turned on	*Check whether the power plug is securely inserted into the receptacle.
No images are displayed	*Check the cable for disconnection *Check whether the power for all input equipment is ON *Check for connection to wrong terminal or for wrong input mode
Remote control does not function properly	*Check for incorrect battery orientation *Check for dead batteries *Check for distance from the display *Check whether you are pointing the remote control transmitter properly at the display's receiver *Check for any obstacle between the remote control and the display (See P 14 "Using the Remote Control")
There are spots on the screen	*Check whether your AV equipment is affected by interference from automobiles, trains, high-voltage transmission lines, neon signs or other potential sources of interference
Degrade colors/image quality	*Check whether all image adjustments have been properly made (See P 22 "1 Display" and "2 Image or TV System")
Improper screen position/size	*Check whether screen position and size have been properly adjusted
No sound from external speakers	*Check cables for disconnection *Check whether you have set the display for use of external speakers

If " xxx no signal" appears, the image or signal cannot be produced by display	*Check the cable for disconnection *Check for connection to proper terminal or for proper input mode
If the power indicator lamp flashes red and green respectively	*Check the cable for disconnection *Check whether the screen is on power saving status (See P 9 "Power Indicator Lamp")
If "Out of range" appears, the display is receiving a signal whose image or signal cannot be reproduced by the display	*Input the proper signals (See P 28 "FACTORY SETTINGS")